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CHAPTER 1

GENERAL

1-1. Purpose and scope. This manual, intended for planners and design engineers, presents information on water quality standards and design criteria for water treatment processes at Army mobilization facilities. This manual also establishes criteria to be followed in determining the necessity for and the extent of treatment, and on procedures applicable to the planning of water treatment projects.

1-2. Consultation with Government agencies. State health department, state water resource, and U.S. Environmental Protection Agency personnel as appropriate, should be consulted in the early stages of project planning regarding supply sources and associated water treatment needs. State agencies have established design guidelines based on local conditions and experiences. Information regarding these guidelines is available from the division of engineering within the state agency responsible for environmental protection. Consultation with state engineers will provide valuable information relative to plant design and water treatment experience in the state or region. It is also advisable to confer with management and operating personnel of nearby water supply utilities.

1-3. Water quality criteria and standards. Information on current criteria and standards for raw and potable water are presented in TB MED 576.

1-4. Definitions. Definitions for water treatment works will be as presented in EM 1110-3-160.